

OUTPUT FACT SHEET

Innovation networks

Version 2

Project index number and acronym	CE1519 CHAIN REACTIONS
Output number and title	O.T4.1 (1/5) Thematic industrial innovation roadmap for Advanced manufacturing sector
Responsible partner (PP name and number)	Pannon Gazdsági Hálózat Egyesület (PBN) PP1 Regionální rozvojová agentura Plzeňského kraje, o.p.s. (RDA) PP5
Project website	https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html
Delivery date	December 29, 2021

Summary description of the established innovation network explaining its structure, functions and transnational character

Transnational network of innovations stakeholders for the Advanced Manufacturing sector builds its strategy on the performed Value Chain Analysis and developed Transnational Pilot. In Hungary the Industry 4.0 related advanced systems and technologies are still in their infancy and the SME sector is highly vulnerable due to their dependence on the German market. There is, however, high potential in the Hungarian market as companies becoming more aware that the only way to survive in these uncertain market conditions is process and product development. Pilsen region has long tradition in manufacturing, the mark SKODA was established in Pilsen and gave new contents also for growing car industry in other regions of Czech Republic. Manufacturing has significant influence on economic performance, region can be described as a “moderate innovator”, most of companies can be characterized as “followers”. There are several high-tech companies with high level of research activities.

NUTS region(s) concerned by the innovation network (relevant NUTS level)

NUTS regions on NUTS2 level that are involved in the implementation of the roadmap are: Nyugat.Dunántúl (HU22) in Croatia, and Jihozápad (CZ03) in Czech Republic.

Expected impact and benefits of the innovation network for the concerned territories and target groups

A short overview of national and regional smart specialization strategy in advanced manufacturing in Hungary and mapping of innovation potential for upcoming years in Pilsen region revealed the potentials for further development in the following areas:

- Intelligent control of production processes
- Big data, neural networks and machine learning
- Intelligent diagnostics and maintenance
- Cognitive and cooperative robotics
- Virtual and augmented reality in production
- industrial change towards promotion of health-industrial businesses and
- green, intelligent city.

As advanced manufacturing is a key driver for all identified areas, following actions were identified to benefit both regions:

- Research & Development activities supporting health industry - Manufacturing simulation center, Regional rehabilitation center, Future park - Szombathely Science Experience Center.
- Health Science and Technology Park.
- Health-related education, training and awareness raising.

Sustainability of the innovation network and its transferability to other territories and stakeholders

Transferability between both territories within the dual partnership will be assured by the cooperation of companies and other stakeholders within both regions. The good practice for sharing knowledge and experience can be used in other regions that want to transfer good practices or knowledge, especially among stakeholders, according to the same model.

Also, the platform that was established for transnational workshop will continue with its function within the transnational exploitation plan and the partners will sign a Memorandum for further cooperation after to project implementation period.

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

List of relevant deliverables and outputs:

D.T4.1.6_PBN - workshops conducted by PP1 (PBN) in collaboration with PP5 (RDA) for the preparation of industrial innovation roadmap in the Advanced manufacturing sector

D.T4.1.6_RDA - workshops conducted by PP5 (RDA) in collaboration with PP1 (PBN) for the preparation of industrial innovation roadmap in the Advanced manufacturing sector

D.T4.1.7 - transnational industrial innovation roadmap for the Advanced manufacturing sector

D.T4.1.17_PBN - Industrial innovation workshop conducted by PP1 (PBN)

D.T4.1.17_RDA - Industrial innovation workshop conducted by PP5 (RDA)

O.T4.1_3 - Thematic industrial innovation roadmap for the Advanced manufacturing sector presented.

The deliverables and outputs can be found under the section of DELIVERABLES on the project website:

<https://www.interreg-central.eu/Content.Node/CHAIN-REACTIONS.html>